



Japanese name: Sakata Type 11 Vander Panzer
English name: Sakata Type 11 Wander Panzer
Codename: Raven
Total height: Meaning "a large raven. It is considered an omen of bad luck."
7.7m
Overall width: 3.2m
Dry weight: 9.8t
Speed: Forward: 40 km/h (200 km/h in R.D.) Backward: 40 km/h
Remarks: HP/5700 · Power/1000 · Acceleration/40 · Turning/90
(Figures calculated from WAP standard performance standards)



Raven photographed within Aroldesh

Developer: Sakata Industrie (O.C.U. Japan)
Domitori Corporation (Republic of Zaftola)
Number of aircraft manufactured: 8 confirmed (4 officially recorded)
(If prototypes, spare parts, etc. are included, the number is likely to be larger than this.)
Driscoll, U.S.N.: Gale (U.S.N.)
Leesa Stanley (O.C.U.) *Unidentified

- 概要 -

Sakata Industrie S.A. (O.C.U. Japan) and Dmitri Public Company Limited, now absorbed by Iguchi S.A. (O.C.U. Japan) after corporate breakup.

(The heavyweight Vanzer was jointly developed by the Republic of ZAFTRA (Republic of ZAFTRA). This machine was manufactured as the first prototype of the "Metal Worker Project. Although the structure of the "MULS-P" is in accordance with the worldwide standard for Vanzers, the size of each part is approximately 1.4 times larger than that of a standard Vanzer, and there is no direct compatibility between the two. It can be equipped with weapons normally equipped with WAPs, but several types of armaments dedicated to the aircraft are also completed. It is equipped with a high-power generator to ensure mobility equal to or greater than that of a regular WAP, and is armored to the greatest extent possible to improve durability. In addition, its attack power has been greatly increased, making it possible to conduct operations as a single aircraft. It was also compatible with the BD series (see below), and its airframe was upgraded to match the BD series, and it was also an X series prototype (about 30 X series prototypes were developed and manufactured, and the technology of the Raven and Algem (X-02) was used in subsequent models), and it was also the WAP that laid the foundation for the later X series. The X series is also the WAP that laid the foundation for the later X series. As such, it is a highly classified aircraft and is said to have played a significant role in improving the performance of WAP technology. It was completed in 2089 (also said to be 2088), before the Second Huffman Conflict, and the earliest combat record seems to be an engagement with the O.C.U.'s Special Mission Mercenary and Chariot Corps at the Vampire's base.

▼ Grade Differences

Various types and grades of Raven have been developed, depending on the armament, the type of BD series installed, and the passenger. However, the name "Sakata Type 11 Wander Panzer (WAP)" is used to describe them. The Driscoll's machine was designed to be combined with the "Sakata Type XXPT" from the beginning of its development, so it was uniquely customized and called the "Sakata Type 11 DS

It is labeled "Sakata Type 11 DS Wander Panzer" (Sakata Type 11 DS Wander Panzer), clearly differentiating the grade.

▼ Change of name

Since it was initially researched and developed as a prototype of the X series, it was given the "X" model and called the "X-06" like the other series. It was the only prototype in the X series that continued to be developed after the

dismantling of Vampire's, probably because it was intended to be equipped with a BD. It is not clear when the name was changed, but before the Larkas Incident, the X designation was dropped and the name was changed to Raven or Sakata Type 11 WAP.

＝ 機体構成 ＝

- Attack Power/ Basically, they are equipped with close and ranged weapons, both of which greatly exceed other WAPs. However, due to the arm's structure, missiles and other equipment cannot be mounted on its shoulders, so it is mainly used in close-range combat. (An arm with a built-in cannon has also been developed so that it can attack from a distance.)
- Defensive Strength/ Because it is a large WAP, its armor is thicker than that of other WAPs, and a single missile strike is not fatal. The shoulder shields also enable evasive maneuvers.
- Mobility/ Despite being a heavy Vanzer, its mobility is said to be equal to or greater than that of a normal Vanzer. In order to prevent accidental tipping over, more actuators are used in the legs than in a normal WAP.
- Other/ In later models, the monitor eye has been improved and the electrical system has been enhanced. (Can be identified by the color of the monitor eye)

＝ 製造数について ＝

Currently, there are eight confirmed aircraft, all of which are unaccounted for.

First deployed in actual combat after operational testing was the X-06, later known as the Raven, which was destroyed in battle with the O.C.U.'s Chariot Squadron of specially appointed mercenary troops. It is said to have burned up without a trace along with the Vampire's base. After a test run from 2089 to 2090, the Nirvana Agency was given the record that says it was transferred does not appear to be this aircraft. As for four of them, Captain Driscoll of the U.S.N. Army, who was in charge of the Nirvana Organization's operations, was said to have been on board. However, the O.C.U. Army Mercenary Corps [All of them were destroyed by [Canyon Crow] (official unit name: "Canyon Crow," 1st Ranger Mobile Unit, 2nd Army of the O.C.U. Land Defense Force). The fighting by Captain Driscoll is said to have taken place before and after the end of the Second Huffman Conflict. Three of them are confirmed to have been boarded by Gale and Black Hound of the U.S.N. military, but they are [BD series B-type devices Version] and used by the U.S.S. Santa Barbara in the Pacific after the Second Huffman Conflict off the strategic aircraft carrier in the Pacific. It was destroyed by Kevin Greenfield and seven others. As for the last one, it states that it was regenerated, not manufactured. The four aircraft on board Captain Driscoll were shot down and destroyed by Canyon Crow. It is recorded as having been abandoned. However, the U.S.N. military recovered three of the destroyed Ravens (it is unclear which Raven was recovered) and succeeded in restoring one Raven from their parts. Although specific details are not known, it was later taken possession of by the U.S.N. Fire Valley Company and sent to the People's Republic of Aroldesh via Grykov, one of those involved in its development in 2102, and placed in the hands of the O.C.U. that It is said that O.C.U. Army Intelligence [Leeza Stanley] may have been on board the ship at the time of the "Battle of the Bulge," but no firm evidence has survived. Current His whereabouts are unknown. Also, these are the total number of models confirmed through battle and versions carried out of the facility, and it is likely that there are spare units, prototypes, and other models at the developer's research facility. Since some of them were developed as [BD Series Type-B device version], other device versions of Raven may have been developed as well.

- 特筆事項 -

The BD series (bio-COM), once researched and developed by Sakata Industrie, is standard equipment, and was actually installed and used during the Huffman Conflict in 2090. In the initial stage, the BD series was equipped with cultured brains, and later, as device research progressed, the BD series was equipped with fetal brains near the outbreak of the Second Huffman Conflict. The development of Type B using adult brains began, and the BD series of cultured and fetal brains was terminated. However, it took time to adjust to its unstable operation, and the Type B series was terminated at the same time as the Type S series was completed. As for the S-type, it was used during [the Long Reverse Island bombing by Huffman's Soul], but because it used the passenger's brain marrow and he himself had to undergo conversion surgery, there is only one Raven equipped with the S-type. As for the Raven that crossed over to the O.C.U., it was compatible with the BD series but not mounted.

- 開発機 -

X-06 (Passenger: Raven / Driscoll's code name)

The first machine developed as a test machine for the X series and as a BD-equipped machine, it was developed ahead of the BD because the BD had not yet been completed, but both the software and hardware were immature, especially the electronic system, which was fatal in the time it took to start WAP, CPU malfunctions, and parts failure upon impact. Because it was a test model, it was clearly different from other Raven models, with hardpoints on the arms and shields, and a dedicated backpack mounted on the back hardpoints.

TYPE -



- Arm R
RAYVEN PUNCH (*1)
- Arm L
RAYVEN PUNCH (*2)
- Shoulder R/L
TYPE 11SD
- BD Series
Not mounted

- 1 Built-in blow mechanism (R-Assor SP normally equipped)
- 2 Built-in striking mechanism (Gale II standard equipment)

*Supplementation
The Raven, which was a test machine and still in the process of development, suffered from a lack of output. Therefore, the development of a dedicated high-power generator was promoted. It is so large that it cannot be installed in a normal WAP, and it is used in combination with a radar sensor unit. The upper two were radar units. The first one is the auxiliary engine. (The lower one is the auxiliary engine.) Although it achieved a large output for its time, it was too large to be installed in a normal WAP, as it would have been a hindrance. A special shield was also developed for the arm hardpoints and named the TYPE 11SD (Raven S) series. The TYPE 11SD (Raven S1) was studied early on, but the TYPE 11SD2 (Raven S2) was developed to further improve defensive capabilities. Although it was large enough to protect the entire arm from the shoulder, its development was discontinued because it did not lead to the expected improvement in defensive capability. Thereafter, the TYPE 11SD (Raven S1) model was strengthened. The shield was developed as an integrated shoulder and arm shield for the Raven, and its development continued.

DS GRADE (Passenger: Driscoll)

Among the Raven models, the one with many variations is the one with Driscoll, which was developed separately for each BD and has many types of armaments. After the Larkas incident, the "TYPE 11SD" equipped on both shoulders was integrated with the arms, and the hard points on both shoulders were removed. It may be fair to say that Raven's hardware is almost complete, but it is fair to say that its software BD has many unstable elements that prevented it from achieving its full potential.

TYPE

1TYPE 2



Arm R
Built-in blow mechanism (*3)

Arm L
TYPE 11 CLOW-C

Shoulder R/L

BD Series
They think they are using
cultured brains.



Arm R TYPE
11 MG

Arm L
TYPE 11 CLOW-B

Shoulder R/L

BD Series
Supposedly using fetal
brains.

TYPE 3TYPE



Arm R
TYPE 11 CANNON

Arm L
TYPE 11 CANNON

Shoulder R/L

BD Series
Type B - Karen/SI BD-6kr

4 (*4)



Arm R
Built-in blow mechanism (*3)

Arm L
TYPE 11 CLOW-C

Shoulder R/L

BD Series
Type S - Driscoll

3 Uranio machine gun, normally equipped

4 See below for details (RAVEN and giant mobile weapons)

B GRADE (Passenger: TYPE 1-Gale / TYPE 2-Black Hound)

The B GRADE (tentative name) deployed in Black Hound was developed specifically as a B-type device version. However, even though it was specialized, it was completed by diverting parts from the DS GRADE. Although the appearance is the same, the internal weapons have been changed, and the prototype RF is equipped. These aircraft were transported from the Nirvana Agency to the strategic aircraft carrier Santa Barbara by a dedicated pod.

TYPE



Arm R
TYPE 11 CLAW-B

Arm L
Built-in blow
mechanism (*5)

Shoulder R/L

BD Series
Type B

1TYPE 2



Arm R
TYPE 11 CANNON (*6)

Arm L
TYPE 11 CANNON (*6)

Shoulder R/L

BD Series
Type B

5 [ZIEGE P] rifle standard equipment

6 Equipped with a built-in machine gun, unlike Driscoll's machine.

- GRADE (Passenger: most likely Leesa Stanley)

Although it is listed separately from other Ravens, it was not manufactured, but rather was the result of the recovery and re-creation of three Ravens that had been discarded. Since it was assembled and stored in storage, no battle data was collected, but even in the 2100s, it far surpassed the performance of ordinary WAPs. The right arm has only a built-in striking mechanism and is not equipped with a ranged weapon.

TYPE -



Arm R
Built-in Striking Mechanism

Arm L
TYPE 11 CLOW (*7)

Shoulder R/L

BD Series
Not mounted

7 Also known as [RAVEN CLOW]

- 主武装 -

CROW

Only the Left Arm has been developed and the following four patterns have been identified.

Fighting-specific arm completed in the early stages of CROW-C. Three claws are evenly attached to the end of the arm.

It was still in the research stage, so its strength and destructive power remained difficult. However, the structure of the **three** claws is more specialized than other CROWS in terms of grasping objects.

CROW-B An arm with even more destructive power and strength than **CROW-C**. The arrangement of the claws has also undergone a model change, with **two** claws on the top and **one** on the bottom. The attack power is increased by making the tips of the claws even sharper; another feature is that the claws are more gigantic than **those of the CROW-C**. From this time on, it is no longer manufactured with the concept of grabbing objects, but is perfected as a fighting combat arm.

CRAW-B An arm equipped only on the **B** device version. The shape is similar to that of **[CROW-C]** and is considered to be an improved version.

TYPE 11 CLOW aka **[RAVEN CROW]**.

The shape itself is the same as that of **CROW-B**. **CROW-B**'s arm was mainly used for "punching" because the claw itself had no joints, but **RAVENCROW** has joints in the claw, allowing it to be clawed and crushed. The **RAVEN CROW** also has wrist joints that allow it to rotate **360** degrees. The **RAVEN CROW** is a type that emphasizes versatility for fighting. In addition, a **Right Arm** has also been developed for **[RAVEN CROW]**, although it is not actually used.

Built-in Striking Mechanism

Basically, **only the Right Arm** is manufactured. The reason why the manipulator looks smaller than the overall parts is that it is **1.4** times larger than a normal Vanzer and cannot be equipped with firearms. Therefore, only the manipulator is made as large as a normal Vanzer in order to equip it with a normal firearm. The arm is not often used for fighting, and the **Uranio** machine gun and other weapons are usually equipped with it. The "new" is a "new".

Only the **RAVEN** that went to the **O.C.U.** was not equipped with an **uranio** machine gun, and it is thought that the setup was changed according to the battle situation at the time. And like the "**TYPE 11 CLOW**," this type only had a left and right arm developed (but not actually equipped). The **ZIEGE P** (Ziege Rifle Prototype) is inferior to the original rifle in both attack power and hit rate, but it is capable of long-range sniping. At this time, the original was in the possession of the **U.S.N.** (and was later c (in the hands of Nion Crow) is known, it is believed that the prototype was hastily equipped due to the small number manufactured.

TYPE-11 MG

Only the Right Arm is manufactured, as is the built-in striking mechanism.

It has a large arm with a built-in machine gun **and is** superior in every aspect, including rapid-fire power and hit rate. The bullets are also designed to have a penetrating power equivalent to that of a rifle. However, as with the built-in cannon, actual battle data is scarce.

TYPE 11 CANNON

Unusual for **RAVEN**, arms with built-in cannon manufactured left and right arms. It was manufactured for the purpose of attacking enemies at a distance. Its destructive power is said to be equivalent to that of a large fortress turret. While ordinary cannons are unable to move when approached by enemy aircraft, the **RAVEN**'s mobility and the rotational force of its waist make it possible to fire even when challenged to a combat fight. However, because it takes time to load the next round after firing, the **RAVEN** is not very good at close combat.

The arm of the **Type B** device version has a similar name, but this one is equipped with a built-in machine gun. [It is thought to be an improved version of the **TYPE-11 MG**, but its power is unimaginable when used in combination with skills.

RAVENと巨大機動兵器

The development of the **S-type** was also underway a little later than the development of the **B-type** in the **BD** series, but the **B-type**, despite its high performance, had the problem of instability. The problem of instability of the **B-type** was almost completed by adjusting accelerants and psychoactive agents, but the **S-type** was completed one step later.

was mainly developed by **Sakata Industrie**, while the **S-type** was developed by **Sakata Industrie**.

It is said that **Ri** manufactured the prototype and completed it in the Republic of **Zaftra**.

The **S-type** used on Long River Island is commonly known as the **МИР ОРЛЕИ** (*), and is known as the first **S-type** to be deployed in actual combat. The right arm was completed, but the left arm had exposed wiring and other parts, making it difficult to use. Because of its huge size (perhaps because it was not yet completed), it has no mobility, and it is difficult for it to even move from its spot.

Its greatest feature is its fusion with the **S-type** mounted **WAP (RAVEN)**, which can store the **RAVEN** in its chest and engage in combat. Even if the **RAVEN** is destroyed, it can be separated and continue fighting. Although its attack power is limited to its built-in machine gun, it has tremendous destructive power and can fire at long range. (The name of the machine gun is **МИР ОРЛЕИ**, the same as the name of the aircraft.) In addition, although it is not recorded, it is also capable of fighting with its right arm.



МИР ОРЛЕИ

МИР ОРЛЕИ

Official name: **Sakata Type**

一 雜記 一

▼ Combat records confirmed in the vicinity of Freedom

During the Second Huffman Conflict, **Raven** and special forces were seen in the ruins southeast of Freedom during the urban offensive in the O.C.U.'s operation to retake Freedom. However, this fact was not disclosed to the public, and few people in the military knew about it. In addition, the **bio-neural** device was also to be tested in the field, but this was considered a classified matter and all but a few, including Driscoll, were not allowed to use the device. Nominally, the station was considered to be garrisoned by the Freedom Death Guard. Some of the O.C.U. military top brass were also aware of this fact, but since the development of bioneural devices was being conducted by both militaries, they kept quiet about it. **Corporal Sengyou Li**, a mechanic in charge of the O.C.U. occupation zone and involved in the early stages of **Raven** development, learned of this top-secret operation through the destruction of friendly forces. The corporal, concerned about further damage to friendly forces, asked a certain person to help him break the **Raven**.



Raven / Ruins near Freedom

The company had independently commissioned the destruction of the building. 'We have information that enemy troops are hiding out in one of the ruins in the fierce battle zone. Apparently, they are using it as a supply point to attack the **O.C.U.** base.

The base's elite troops headed for the battle zone..

Look at this video. The main force of the enemy forces was beyond our expectations. The name of this machine is "**Type 11 "Raven"**", a heavy class Vanzer that is being secretly developed by Sakata Industrie and the Dmitri Corporation. ... I was involved in the early stages of development a few years ago. I had no idea it was in the prototype stage..



Griffin / Ruins near Freedom

Raven was developed on the premise that it would be equipped with a certain special device. However, at first there were problems with both the quality and quantity of the device, and there were calls for its development to be cancelled..

That was no Vanzer!

It's a monster! The ruins where the **Raven** was confirmed to have appeared are in "Fierce Zone **10** Sector **40**". Since it is a supply point for enemy troops, it is said that mines have been planted at each point. Be very careful during the battle.

The mission was called "Emergence of a New High Mobility Weapon" and resulted in the complete destruction of the friendly forces that went out to intercept the **Raven**. The person who received the request organized his own unit to intercept the **Raven**, but the O.C.U. forces also sent the **Griffin** and other units to test the prototype of the Grand Gunport concept in actual combat.

troops as an **anti-Raven** interceptor. Of course, they don't know the truth about **bio-neural** devices.

They were the ones who did not have the money to pay the bills.

The Griffin is a next-generation large mobile weapon that the O.C.U. military was secretly developing based on the "Grand Gunport Concept. The military asked Jade Metal-Lyman, the O.C.U.'s oldest vanzer manufacturer, to develop a mobile weapon with both mobility and firepower, and the first prototype was the Griffin, which was deployed in actual combat. It was called OSV-XX "Griffin," and **Corporal Alberto De Luca**, who was involved in the early stages of development (currently a mechanic in the U.S.N. occupation zone), said, "It was designed for local warfare, with the aim of suppression by a single aircraft.

It's designed to be." He said.

Its mobility is equivalent to that of the **Raven**, and it is armed with an SG in its Right Arm and a MG in its Left Arm. It is also equipped with large shields on both shoulders. Although they are both O.C.U. manufacturers, Jade Metal-Lyman and **Sakata Industries** have formed a partnership due to differences in management policies and other factors. Therefore, the possibility of mounting the BD series is infinitesimally small.

It is reasonable to assume that the Griffin that appeared at Freedom was not planned in advance, but rather was introduced at short notice due to the emergence of the **Raven**. The Griffin was destroyed and recovered in the ruins near Freedom during the Second Huffman War, but the software defects could not be adjusted properly, and development was halted before the war ended. However

Based on the data from Griffin, Jade Metal-Lyman continued to develop mobile weapons for the Grand Gunport concept, and later completed the Gorton series (OSV-08 / GOALTON a-f), which was officially deployed in the Aroldesch coup.

*Griffin

Sometimes referred to as griffons or grips.

*Grand Gunport Concept

The O.C.U. military was developing a large mobile weapon with powerful firepower that should be the mainstay of a wide-ranging battle to compensate for the Vanzer's weak firepower, which was a drawback. The concept, called the "ground gunport" (ground gunship), aimed at extermination by overwhelming firepower, but it also aimed at improving mobility and operating costs at the same time. The Griffin and Gorton types are examples of this concept, and the Glueck type, which inherited the grand gunport concept, was also developed.

*Gaulton

The Gorton series (OSV-08 / GOALTON a-f) was developed by Jade Metal-Lyman of O.C.U. Australia based on the Grand Gunport concept, and later put into practical use. The first actual combat deployment was in the Aroldesch coup. As its name suggests, it boasts extremely powerful firepower. In addition, the adoption of a jet hover system has made it possible for the aircraft to carry a large

The company has succeeded in achieving a high mobility without the feeling of size. Jade Metal-Lyman has also succeeded in developing the Groom series (OSV-12 / Groom a-f), utilizing data from the Gorton type large mobile weapon.

The only O.C.U. regulars to have fought off **Raven**...

Sengyou. The person Corporal Li asked to repel Raven formed a platoon of five men and headed for the ruins southeast of Freedom. Raven and a dozen of the most advanced WAPs

The aircraft were arranged in a way that they were holed up in the ruins, and each platoon was in a dispersed formation to avoid mass destruction by air strikes.

The five-plane platoon then launched an assault suppression operation using swing helicopters and successfully positioned themselves right in front of the Raven. However, the U.S.N. reinforcements had been confirmed, and the minimum requirement was to destroy the Raven within 20 minutes. The battle, which could rightly be called a battle to the death, seemed endless, but as time passed, the Raven's movements began to show signs of disorganization. The heat level of the enemy's high-mobility weapons increased dramatically! Friendly aircraft in the vicinity should be on alert!' As soon as operator Colette Dirac (Private First Class) sensed the danger and informed the platoon, black smoke began to rise from the Raven, and this seemingly impossible mission came to an end with the destruction of the Raven.

The person who received the request returned to the O.C.U. occupied base and reported to Corporal Sengyou. Li that the mission was a success.

'Looks like you've succeeded in fighting back.

. . well done. Thank you. After you returned to base, a follow-on unit went to retrieve the Raven.

...
That unit has disappeared. I
hate to think about it,
but...

That monster was probably recovered by enemy forces. It may appear before you sooner or later; **Raven's** features are abilities depending on the device's performance.

The idea is to significantly improve the When equipped with a superior device, the power of that monster jumps.

...I hope my bad premonition doesn't come true."

The type of bio-neural **device on the Raven** that appeared in this Freedom is unknown. It may have been either a fetal brain (late type) or a B-type, but it has not been determined which **BD it was** because of the sensitive time period. In addition, the location of the transport and boarding after recovery

The many unknowns, including the name and model of the person who made the **Raven**, are also characteristic of the **Raven** that appeared in Freedom. It is almost certain that it is a prototype, as it is equipped with unidentified armaments.

▼ Differently shaped WAP with performance equivalent to RAVEN

Before the coup d'état in the People's Republic of Aroldesh, the O.C.U. Japan-based weapons company [Yoshida Tank Company], in collaboration with the EC [Schnecke Company], developed the **WAP**[nasty Vanzer]. The left and right arms are combat arms with built-in "Frog Punch" and "Cat Punch," and their power is said to be equivalent to that of the **TYPE 11 CLOW**. Also, the **RAVEN** could not be mounted on the shoulder due to the nature of its body, but the nasty Vanzer can. And it is equipped as standard with an anti-aircraft missile launcher [OTAKESAN] that can carry a large amount of ammunition. It is also fully compatible with the **MULS-P**, making it even more versatile than the **RAVEN**. However, its arms are shorter than those of other **WAPs**, so the technical skills of its passengers are likely to be tested in combat.



Disgusting Vanzer.

The learning cost is the largest of the existing **WAPs**, and the cost of launching a sortie is enormous.

U.
The form design is also very different from other **WAPs**, with an overall rounded shape that is rightly reminiscent of a humanoid. It is unknown if it was developed as a prototype, but there is only **one confirmed copy**. It is said to have fallen into the hands of the **O.C.U.**, although its current whereabouts are not known.

▼ RAVEN Transportation Methods

Like other **WAPs**, **RAVENs** are transported to their destinations by dedicated transport aircraft (VTOL) or large ships (aircraft carriers). However, it is not uncommon for **RAVENs** to be transported in dedicated pods, as shown in the photo, with a single **RAVEN** stored in a cylindrical pod.



RAVEN Transport Dedicated Pods

The pods are also designed to be easily destroyed from the inside so that they can be used for combat operations as soon as the transport is completed. The photo shows a **RAVEN** pod transported to the U.S.S. **Santa Barbara**, where the pod is being destroyed for combat readiness.

- 閑話休題 -

Raven's astonishing combat capability is due not only to the performance of its aircraft, but also to the high processing power of its bio-computer, the "bio-neural device (hereinafter referred to as **BD**)" (* 1). It is also known as the first successful example of the final type of **BD**, the **S-type**. Let us try to unravel the development of this **BD**.

It all started in 1970 when "Sakata Seiyaku (at that time)" in O.C.U. Japan acquired "Heinemann Industrij", an O.C.U. Australia **WAP** manufacturer, and established "Sakata Industrij". In the same year, Sakata Industrie, Inc. began development of **BD** (*2) after noticing the low computer accuracy of **WAP**.



In the 1970s, **BD** was successfully developed using cultured brains. Relatively easy to produce, but capacity and performance were sluggish. AES

(The first computers to enter the market were the **AJC/BD-068**, **Calori/BD-089Kp**, and others. Compared to the computers of other companies, the performance of these computers was good, but the lack of clear differences made their cost performance poor, and their operation was sometimes unstable.

In the latter half of the same decade, it was concluded that cultured brains had limited performance and switched to the use of human brains. Research on **BDs**, which store information in fetal brains, began, and Dr. Gilmore and others were involved in their development under the leadership of Dr. Midget Brown. There are no records of these **BDs** on the market, and the aircraft in which they were installed is unknown, so there is the least amount of information available on them among the **BD** series. The purpose of developing **BDs** (Type B and Type S) using adult brains from the beginning.

and the fetal brain may have been studied to confirm this possibility.

After the **BD** research began, a plan for one derivative technology was also put into action. This was a plan to manipulate soldiers like puppets, called the **Puppet Soldier Plan** (hereafter **PS Plan**) (*3) and carried out by the **Beta** organization (*4). This was done by the **Dying**

The brains of severely injured (brain-dead) pilots are specially modified to enhance only their animal-like fighting instincts, motor skills, and reflexes, mechanically stimulating their motor



centers and brain's potential combat experience, enabling them to engage in combat that is impossible for humans. Since this research was conducted in parallel with **BD**, the brains of fetuses and infants (*5) were initially selected and collected for human experimentation.

And if **BD** using adult brains proves theoretically feasible, **PS** pu

The run was also shifted to a plan to use adults. Although research on **BD** continued, it was not until the Second Huffman Conflict (the development of **BD** was a direct cause of the outbreak of the conflict) that full-scale clinical experiments began to be conducted. At that time, many people were subjected to human experimentation, including kidnapping, abduction of soldiers, and forced execution of prisoners of war (*6). However, clinical experiments on the **PS** Plan began in 2089, and even though Huffman Island was under tension, a large-scale kidnapping was not possible. Therefore, the "Vampires (*7)," an execution unit that abducts talented pilots and sends them to the experimental facility, was formed.

Woven.

Subjects (*8) who passed the final inspection and those who were judged to be compatible (*10) by the biojammer (*9) were gathered one after another at the facility and subjected to human body experiments. The materials (*11) that made it to the field tests were given a code name (*12) and were to be sent to the battlefield. However, the facilities of the Beta organization were completely destroyed by the O.C.U. anti-vampire unit and the O.C.U. military's elite mercenary force (*13), and the Vampire's headquarters was also destroyed.

The plan, which, like BD's, was conspired by O.C.U., U.S.N., and Sakata Industries, Inc.

Both O.C.U. and U.S.N. forces made it clear that they would not intervene further in the project and the PS project was frozen.

In the 2080s (guess), development of BD using adult brains (mainly soldiers) begins; there are two types, Type B and Type S, with Type B being the first to be researched and developed (*). (14). This is an adult's brain medulla removed and turned into a biological computer, which performs much better than a fetus' brain and also passes on material thinking skills, judgment, and combat memory. Therefore, the performance of Type B depended largely on the ability of the original soldier, and the better the soldier, the higher the number. However, in order to board an aircraft equipped with the early type, it was necessary to undergo conversion surgery and conversion training, which posed a challenge. In the later models, devices that did not require conversion surgery or conversion training were developed, and they could be installed in any aircraft, just like commercially available computers, but there were few successful cases, and most of them were lost.

It has ended in defeat. The few successes include the Karen device (Karen/SI BD-6kr) and the B-equipped Raven.

In addition, problems were reported with increased B-type response, which resulted in rejection after a certain amount of time and WAPs going out of control. This was accompanied by an accelerant and

It was made possible by adjusting the psychoantibiotic, but development was discontinued because the S-type was completed before the adjustment was complete.

Around the same time period, rumors began to circulate out of nowhere that "computer accuracy improves on nights with a full moon. This may be another influence of BD.

And the final form of the BD series... a device that directly connects the pilot's own brain to the control unit and fuses human and WAP, this is the S-type (development year unknown). The pilot must undergo surgery (a pilot who has undergone surgery is called an S-type pilot (*15)) in order to use this device.

The WAP can be treated like one's own body because it can be input directly from the brain into the interface. This allows a skilled pilot to operate the device immediately after a surgical procedure. Morgan Bernardo (*16) was a member of the academic society.

After the second ceasefire of the Huffman War, the development continued.

The first S-type is completed for the record. It is МИР ОРЛЕИ, identified on Long Rivers Island (see "[RAVEN and the Giant Mobile Weapon](#)").

МИР ОРЛЕИ is a large mobile weapon manufactured by Sakata Industrie for the purpose of fusing with the S-type Raven.

It achieved an astonishing response capability not found in other large mobile weapons. However, although the system was completed, the aircraft was not manufactured in time, and it was completed

When the "Long Reverse Island Bombing" involving the destruction of МИР ОРЛЕИ was exposed to the public, there was a worldwide movement to get to the bottom of the series of incidents. As a result of this, BD's accusations increased, and the O.C.U. and U.S.N. admitted partial involvement in the incident (*17). Then, in 2094, Bio.

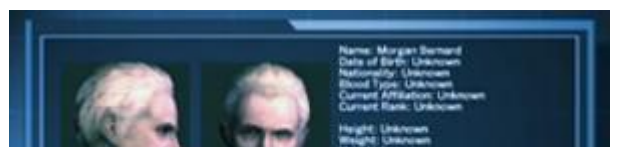
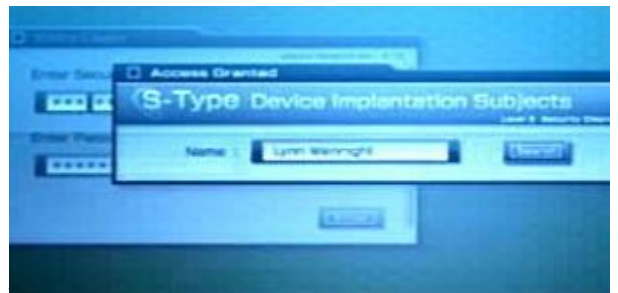
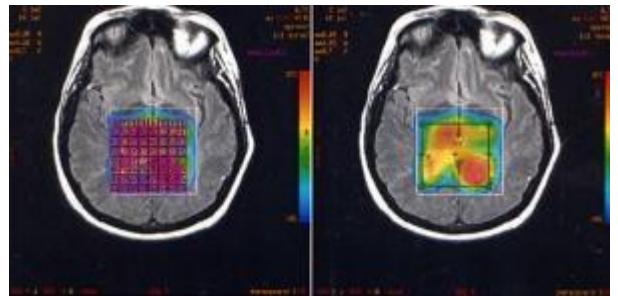
The development of the neural device was considered an inhumane project, and technical research was permanently frozen.

After 2095, the development of materializing the human brain was already prohibited. However, the application of technology derived from the BD-S model was still being actively pursued in many countries. Although ostensibly for medical purposes (*18), in some countries, experimental

In some places, WAPs have implemented a system in which the user is not in control, but literally becomes his or her own body. Instead of being controlled, the WAP literally becomes one's own body. The derived technology is also used in medicine, such as prosthetic arms, legs, and patients' reaction speed and precision, so that each country has tacitly approved of its use in WAPs.

And means to counter S-type WAPs have also been studied. This is a development of the biojammer used before the Second Huffman Conflict, and is called the "new EMP (*19). However, the use of the new EMP was meaningless unless the WAP to be irradiated was an S-type WAP, and it did not reach the point where it would have a tremendous effect.

In the late 2090s, the progress of the S-type seemed to be on a parallel track, as neither the government nor the companies could publicly develop (*20) it. Then, around this time, a person who has appeared many times in obituaries appears... Morgan Bernardo.



With an abundance of funds and Using his contacts, he manufactured his own S-type and used Bernardo himself as a test subject. This Unlike the previous S-type, the new type can invade the brain of an S-type pilot and rewrite all the information into Bernardo's memory. Although the details and principles have not yet been clarified, the S-type pilot's brain is instantly overworked to the limit, just as it was when he was boarding the WAP, and the extreme load is applied to seal or erase the memories of the original pilot. Then, the brain is input with Bernardo's information (even the vocal cords are sometimes changed to Bernardo's), and thereafter, the pilot acts as Bernardo. To this This means that there are multiple Bernardos with exactly the same thoughts at the same time. (The original Bernardo was killed in the Second Huffman Conflict.) Furthermore, the multiple Bernardos that exist are all linked, and their consciousness and thoughts all run in parallel. It can also process multiple thoughts and memories at the same time, and transcends the concept of death by acquiring many solids... Even if one solid body disappears, it still receives thoughts and memories. It will be passed on from generation to generation.

In 2112, after the M.I.D.A.S. looting incident in U.S.N. Alaska (*21)... The passengers themselves through the use of S-type devices reported by various units and experts. Feedback-controlling technology causes a big stir Bar Guest (*22) were to be reorganized due to the large number of conversion surgeons. Later, the passenger disability caused by the S-type device was overcome by the introduction of micromachines, but they were replaced by a new technology of brain scanning that did not require conversion surgery, and the decision was made to completely eliminate the old devices due to the burden they placed on passengers.

The human brain is made up of 14 billion cells and is said to have a capacity of about 10 terabytes. And there are still many unexplored aspects of brain function, and mental activity



The only philosophical talk that has come to the Perhaps it is wrong to try to control something that has not even been elucidated. During the Second Huffman War, many soldiers were abducted and subjected to human experimentation, and while **BD** may have been useful in the field of medicine, it was based on countless sacrifices, the cost of which was great.

Remarks

1 **Bioneural Device**, sometimes called a **neuro-advanced** computer or brain **device**. There are various types of computers that use the human brain (cerebral spinal cord).

The idea of using biological components (using the human brain as a storage device) as an alternative to computer chips had been around since the 20th century, and the biological component that controls **WAP**, **BD**, was developed as a bio-computer (at that time, a cultured brain) to push this idea forward. Various types of BDs were available, and their reaction speed was said to be dramatically improved, but their effectiveness was questioned due to difficulties in mass production.

3 **Puppet Soldier Plan** (**PS Plan**). It was called "the development of clean weapons that do not consume valuable soldiers," and was promoted by the **O.C.U.** and **U.S.N.** militaries. It was said that if memory fragments were amplified, the project would cause a mental breakdown, and the machines would begin to refuse commands and lose control. These aircraft were activated by connecting power and neural connection filters. (Main staff: **Dr. Aisha** and others)

*4 The **Beta Organization** is only a provisional name given by the **O.C.U. Counter Vampire Unit** and is not an official name. It is a division of **Sakata Industrie, Inc.** that researches and develops **PS** plans, and its overall composition, personnel, and other details are not known. Also **Vampire's** is the organization's own mercenary force.

5 In the beginning, orphans were collected from all over the world to use the brains of fetuses, which contain little memory, but as the next step, limb-disabled people were brought to Huffman Island, ostensibly for medical purposes, to use the brains of infants. The children gathered at the facility were called subjects, and after undergoing various tests, were divided into compliant and non-compliant groups.

*6 During the Second Huffman Conflict, many soldiers were assembled amidst the chaos of the conflict. A considerable number of soldiers were sacrificed, and it is said that the number of lives lost is said to be more than those killed in the Second Huffman War.

Also known as the **7 Vampires** and the **Vampire Squad**. **Sakata Industrie's** private mercenary unit, commanded by **Rich** (fantasy name: **X-20**) and **Raven** (Driscoll, fantasy name: **X-06**), who are also engineers at the research institute. 30 people with fantasy names (support mercenaries) is a mercenary unit of **Sakata Industrie** (**PS** plan division and **beta** organization) consisting of around 300 people), **WAP** is unified in black coloring. The main mission is to kidnap excellent **WAP** pilots (mercenary unit capture operation) and conduct field tests of **PS Plan** experimental aircraft. Its main missions are the kidnapping of excellent **WAP** pilots (mercenary unit capture operations) and field testing of **PS Plan** experimental aircraft. They also collect combat data on large mobile weapons. Even within the unit, the existence of the **PS Plan** was not made public, and those who knew about it were extremely few in number. The **Vampires** have a "**Berserker Squad**" at the top of their numbers, with platoons in charge of central missions, including the currently known "**Mage Squad**," "**Geyborgs Squad**," and "**Cerbe Squad**". The three currently known platoons are the "**Mage Squad**," the "**Gae Bolgs Squad**," and the "**Cerberus Squad**". In principle, **Vampires** were not allowed to be discharged, and most of the mercenaries with fantasy names were material candidates.

*8 Once the collected subjects pass the final test, they are

given a cable to make a neural connection between the **WAP** and the human body. Once connected, they cannot return to normal life.

The neural connection, however, activated unused tissues. However, because the neural connection activated even unused tissues, there were reports of wheelchair-bound orphans who were able to experience the feeling of walking legs with this neural connection. In the event of a failed neural connection, runaway or death, the patient was a laboratory specimen.

9 Although **BD** has no material requirements, it has the disadvantage that **PS** plan pilots must have individual brain waves compatible with the system in order to function. Unlike **WAP's EMP**, it directly affects the brain waves of the human body and causes severe headaches. Those who are congenitally susceptible to severe seizure headaches are not subject to the **Bio Jammer**, and are therefore non-compliant.

10 Those whose brains are compatible (fit) as material for the **PS** plan. In the initial stage, various tests had to be conducted and it took time to obtain diagnostic results, but with the development of the **biojammer**, it is now possible to select those who are compatible to some extent. Those who did not become "noncompliant" were called "nonconformists," and infants and fetuses were repatriated, while adults were disposed of. Although it is a guess, the **PS Plan** test subjects were

13 The O.C.U. anti-vampire unit is commonly known as the "Storm Team" (or O.C.U. Independent Mercenary Unit).

The unit is led by Storm and has four members, and although no official announcement has been made by the military, it is conducting operations related to special forces (registered as the 1st Army of the O.C.U. Army Defense Forces).

(Mechanized Division Border Maintenance Unit, 18th Mercenary Corps Base). O.C.U. Military Minority
The mercenary unit is commonly known as the "Chariot Squad" (or "Special Assignment Mercenary Squad"), which is led by Sana and consists of four members. The Chariot Squad saw the Vampire's destroyed.

It was delivered and disbanded, but the Storm Team was transferred to "Special Forces Delta, 2nd Army Mobility Division, Army Defense Force," which was frozen at C.I.S.U. when the cleanup operation of the B Organization and Vampire's remnants was completed.

*14 The main research facility is the Sakata Industrie medical facility in the Larkas area. Although it is a medical facility, it is more accurately described as a factory. Here, artificial brain and spinal cord systems, which are biological parts for next-generation WAPs, are being developed.
It was mass-produced and called the "core system. The facility was later attacked and bombed, a direct result of the Second Huffman Conflict. (Larkas case).

15 When boarding a WAP, the brain is overworked to the limit in order to control organs that are not normally dependent on it. As a result, the passenger's motor and sensory cortexes are abnormally developed. Sensory organs become hundreds of times more sensitive, and extra organs appear in response to WAP parts. They are forced to be bombarded with enormous amounts of information, and their thoughts, memories, and even the areas that control their personalities are invaded. In experiments, it is said that 80% of the patients suffer a mental breakdown, and even if they are able to control WAP normally, they will certainly suffer from memory impairment. The cause has not been elucidated, and some believe that the feedback overcurrent severs the neural connections. Memory impairment is classified into stages, with impairment progression from A+ to G- (see below for examples of disability progression)

Disability Progression: A-Mildly disabled with less than 10% loss of informational memory. (The patient may lack memory of childhood, but this does not interfere with fighting or daily life.
There is no disorder. Rarely, despite the absence of memory, only emotions may be expressed by repeating past experiences.

Disability Progression: G. This level is the last stage and lacks personal information memory.
is more than 80% severely disabled. Mental activity is undetectable, and what is left of brain function seems to be only life support and instinct. No language, emotion, or thought is produced, and they cannot speak, understand, or even move without mechanical supplementation.

16 Morgan. Bernardo, age unknown, nationality unknown, estimated age 48, nationality said to be Irish, man who was the proponent and foundation of the

BD-S type. Originally an authority in the clinical field of neurology, the originator of this theory
He was expelled from the academy on the surface. Since then, he has transformed himself into a terrorist and has been in inner-communication with terrorist organizations in various countries. He used to be active mainly in Europe and South Africa, but when he was wanted as an international criminal, he moved to the Asian region and went into hiding. The terrorist group led by Bernardo is called "Grimnir.

17 While the O.C.U. and U.S.N. admitted their involvement in the incident, only the Republic of Zahutla continued to deny it. However, the President of the Republic of ZAFTRA and the Secretary General of the Organization for the Preservation of the Perpetual Peace have resigned.

18 O.C.U. Cambodia and Fortune Medic (a medical technology company) are well known. It is a manufacturer of medical equipment and handles a wide range of products from hospital equipment such as CT equipment to alternative products such as artificial arms, legs, and artificial organs, as well as the development of new drugs. The medical field uses nerve signals for these controls, sometimes to compensate for missing site extensions, and sometimes to bypass signals directly from the brain to connect them to the device, as in the case of the S-type. With its line of precision instruments, microtechnology, and extensive clinical data, the company also maintains a detailed database of Type S conversion surgeons.

19 New Style-Electro Magnetic Pulse. pinpointing S-type pilot
A type of targeted electromagnetic weapon. Biofrequency pulses are radiated at high power and can damage the pilot himself, who is directly connected to the computer. Pilots who are irradiated often describe it as "brain frying" because it is accompanied by a severe headache.

Mist, one of the top performers; Karen Muir, one of the few **BD-B** success stories; Lynn Wainwright, the only person to pass the final test of the **BD-S**, which was originally developed by the U.S. Army; and the brain researched by Sakata Industrie, Inc.
Device technology may be more adaptable to women.

11 Human beings used in **bio-computers** (**BD** and **PS** plans), also known as "bodies. They are mainly excellent soldiers, and if even material candidates are included, the number is immeasurable.

PS Plan experimental aircraft that has passed the final inspection and is in the field test phase are coded
Names are given. The **three** confirmed solids are "Ghost (fantasy name: **X-27**, Rage)," "Valkyrie (fantasy name: **X-04**, Sana)," and " Vampire (fantasy name: (Fantasy name: **X-00**, Faceless)". The Vampire is also known as the "**X-00 Beta 2** Prototype," and the **PS** Plan experimental aircraft developed at the same time as the Vampire is called **the** "Undead (fantasy names: **X-00a-d**). These code-named machines had immature software, so proximity control was essential, and therefore, when the experimental machines went out on a sortie, they had to be accompanied by a control **WAP** equipped with the equipment. Incidentally, it is said that the **Beta 1** prototype, on which the **X-00 Beta 2** prototype was based, lost control, went out of control, and reduced the research facility to ashes. When these experimental machines were wrecked, most of the core system materials also died.

The U.S. military also completed the S-type, which was planned in secret by the Special Operations Forces and developed independently by applying **BD** technology. This is a special
The prototype type of the specification, which passed the final test, is Lynn Wen La.
It is said that there is only one Lieutenant Colonel (**RYNN WENRIGHT**).

M.I.D.A.S. (Matter Irradiation Type Dissociate Acceleration System) is a next-generation weapon manufactured based on the gold nuclear beam theory. **M.I.D.A.S.** is a next-generation weapon manufactured based on the gold nuclear beam theory. It is called an "earth-friendly nuclear weapon" because it has no after-effects of radiation after use, and has deterrence power greater than that of conventional nuclear weapons.

22 U.S.N. Military Special Armored Detachment under the direct control of **SOCOM**. It is a team specializing in anti-terrorist warfare that is mainly in charge of the Pacific region and also engages in extrajudicial activities due to the nature of its mission. The members of the team are selected from various special forces and are called an elite group of active duty personnel.

- BACK -